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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/702,375	11/05/2003	John Colgrave	GB920030002US1	8456
25259	7590	09/27/2006		EXAMINER CHEN, QING
IBM CORPORATION 3039 CORNWALLIS RD. DEPT. T81 / B503, PO BOX 12195 REASEARCH TRIANGLE PARK, NC 27709			ART UNIT 2191	PAPER NUMBER

DATE MAILED: 09/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/702,375	COLGRAVE, JOHN	
	<b>Examiner</b>	<b>Art Unit</b>	
	Qing Chen	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 06 September 2006.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-4 and 11-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-4 and 11-14 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ .                                    |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ .  | 6) <input type="checkbox"/> Other: _____ .                        |

## **DETAILED ACTION**

1. This Office action is responsive to the amendments filed on September 6, 2006. **Claims 1, 4, and 11-14** have been amended. **Claims 5-10 and 15** have been cancelled. **Claims 1-4 and 11-14** are currently pending and have been considered below.

### *Response to Amendment*

2. Applicant's amendments to the specification appropriately address the objection to the drawings. Accordingly, this objection is withdrawn in view of Applicant's amendments.

3. Applicant's amendments to the specification appropriately address the objections to the disclosure due to informalities and the use of trademarks. Accordingly, these objections are withdrawn in view of Applicant's amendments.

4. Applicant's amendments to Claims 1 and 11 appropriately address the objection to these claims due to informalities. Accordingly, this objection is withdrawn in view of Applicant's amendments.

5. Applicant's amendments to Claims 1, 4, 11, and 14 appropriately address the rejection of these claims under 35 U.S.C. § 112, second paragraph, based on insufficient antecedent basis. Accordingly, this rejection is withdrawn in view of Applicant's amendments.

6. Applicant's amendments to Claims 1 and 11 appropriately address the rejection of Claims 1-4 and 11-14 under 35 U.S.C. § 101, based on non-statutory subject matter. Accordingly, this rejection is withdrawn in view of Applicant's amendments.

***Response to Arguments***

7. Applicant's arguments with respect to Claims 1 and 11 have been considered, but are moot in view of the new ground(s) of rejection.

***Specification***

8. The disclosure is objected to because of the following informalities:

- The specification contains a typographical error:
  - The word “one” should be added in between the words “comprising” and “or” in the phrase “a computer program product comprising or more programs ...” in page 11, paragraph {027}.
- The Examiner presumes that all references to “Universal Data Directory Interface” should instead read “Universal Description, Discovery and Integration” in concordance with the art-accepted definition for the acronym UDDI. It is noted that the specification does define the correct definition for UDDI as “Universal Description Discovery and Integration” (minus the comma (,)) in page 2, paragraph {004}. However, an amendment to the specification changing the terminology to “Universal Description, Discovery and Integration” would promote clarity in the disclosure.

Appropriate correction is required.

### ***Claim Objections***

9. **Claims 4 and 14** are objected to because of the following informalities:

- **Claims 4 and 14** recite the limitation “Universal Data Directory Interface.” It should presumably be read “Universal Description, Discovery and Integration” (see objection to the specification above).

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

11. **Claims 1-3 and 11-13** are rejected under 35 U.S.C. 102(b) as being anticipated by Apte et al. (US 6,256,772).

As per **Claim 1**, Apte et al. disclose a method for a computer implemented scripting tool to create a script, the method comprising the steps of:

A. Receiving a sequence of commands to perform (*see Column 3, Lines 52-56; and Column 4, Lines 61-63*);

- B. Receiving an indication of one of a plurality of scripting languages (*see Column 4, Lines 4-7; Column 5, Lines 11-14; and Column 6, Lines 21-24*);
- C. Creating a script in the indicated scripting language, the script containing the sequence of commands (*see Column 5, Lines 46-54*); and
- D. Outputting the script (*see Figure 2, Element 216; Column 3, Line 67; Column 8, Lines 1-4; and Column 7, Lines 50-53*).

As per **Claim 2**, Apte et al. disclose a method for a computer implemented scripting tool to create a script **as in Claim 1 above**, and further discloses that the method comprising the step of executing each command in the sequence of commands prior to outputting the script (*see Column 7, Lines 55-60*).

As per **Claim 3**, Apte et al. disclose a method for a computer implemented scripting tool to create a script **as in Claim 2 above**, and further discloses that the method comprising the step of providing details of the response from the execution of each command to a user (*see Column 3, Lines 36-40; and Column 8, Lines 45-50*).

As per **Claim 11**, Apte et al. disclose a computer program product comprising a computer usable medium having computer usable program code tangibly embodied therein, the computer usable medium comprising:

- A. Computer readable program code configured to receive a sequence of commands to perform (*see Column 3, Lines 52-56; and Column 4, Lines 61-63*);

- B. Computer readable program code configured to receive an indication of one of a plurality of scripting languages (*see Column 4, Lines 4-7; Column 5, Lines 11-14; and Column 6, Lines 21-24*);
- C. Computer readable program code configured to create a script in the indicated scripting language, the script containing the sequence of commands (*see Column 5, Lines 46-54*); and
- D. Computer readable program code configured to output the script (*see Figure 2, Element 216; Column 3, Line 67; Column 8, Lines 1-4; and Column 7, Lines 50-53*).

As per **Claim 12**, Apte et al. disclose a computer program product comprising a computer usable medium having computer usable program code tangibly embodied therein as in **Claim 11 above**, and further discloses that the computer usable medium comprising computer readable program code configure to execute each command in the sequence of commands prior to outputting the script (*see Column 7, Lines 55-60*).

As per **Claim 13**, Apte et al. disclose a computer program product comprising a computer usable medium having computer usable program code tangibly embodied therein as in **Claim 12 above**, and further discloses that the computer usable medium comprising computer readable program code configure to provide details of the response from the execution of each command to a user (*see Column 3, Lines 36-40; and Column 8, Lines 45-50*).

***Claim Rejections - 35 USC § 103***

12. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

13. **Claims 4 and 14** are rejected under 35 U.S.C. 103(a) as being unpatentable over Apte et al. (US 6,256,772) in view of Nykanen (US 2002/0174117).

As per **Claim 4**, Apte et al. disclose a method for a computer implemented scripting tool to create a script **as in Claim 1 above**. However, Apte et al. do not explicitly disclose that the sequence of commands is to be executed against a Universal Data Directory Interface (UDDI) registry.

In the same area the problem sought to be solved, Nykanen discloses a method to enable a mobile phone or wireless Personal Digital Assistant (PDA) to discover Internet businesses and services by accessing the Universal Description, Discovery and Integration (UDDI) registry. The method is embodied as programmed instructions, which may be executed within the user's wireless device to query the UDDI registry. Alternately, the method is embodied as programmed instructions, which may be executed within a separate server to query the UDDI registry in response to commands from the user's wireless device (*see Paragraph [0011]*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the ability to execute commands against the UDDI registry in the system of Apte et al., since scripts are commonly used in Internet applications and the Java™ programming language is useful for Internet programming (*see Column 1, Lines 37-40*). One

would have been motivated to execute commands against the UDDI registry in order to enable users to quickly, easily, and dynamically find businesses and services on the Internet (*see Paragraph [0004]*).

As per **Claim 14**, Apte et al. disclose a computer program product comprising a computer usable medium having computer usable program code tangibly embodied therein as in **Claim 11 above**. However, Apte et al. do not explicitly disclose that the sequence of commands is to be executed against a Universal Data Directory Interface (UDDI) registry.

In the same area the problem sought to be solved, Nykanen discloses a method to enable a mobile phone or wireless Personal Digital Assistant (PDA) to discover Internet businesses and services by accessing the Universal Description, Discovery and Integration (UDDI) registry. The method is embodied as programmed instructions, which may be executed within the user's wireless device to query the UDDI registry. Alternately, the method is embodied as programmed instructions, which may be executed within a separate server to query the UDDI registry in response to commands from the user's wireless device (*see Paragraph [0011]*).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the ability to execute commands against the UDDI registry in the system of Apte et al., since scripts are commonly used in Internet applications and the Java<sup>TM</sup> programming language is useful for Internet programming (*see Column 1, Lines 37-40*). One would have been motivated to execute commands against the UDDI registry in order to enable users to quickly, easily, and dynamically find businesses and services on the Internet (*see Paragraph [0004]*).

***Conclusion***

14. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

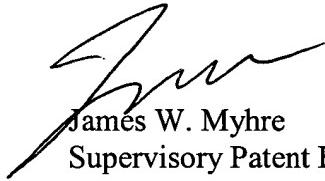
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Qing Chen whose telephone number is 571-270-1071. The Examiner can normally be reached on Monday through Thursday from 7:30 AM to 4:00 PM. The Examiner can also be reached on alternate Fridays.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, James W. Myhre, can be reached on 571-270-1065. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QC / QC  
September 14, 2006



James W. Myhre  
Supervisory Patent Examiner